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Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

## Complete if Known

Application Number	10/777,773
Filing Date	February 12, 2004
First Named Inventor	Jones, et al.
Art Unit	2631
Examiner Name	Unknown

Attorney Docket Number 1033-MS1003

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TN	AA	US- 6,477,238 B1	11-05-2002	Schneider, et al.	_____
TN	BB	US- 6,498,791 B2	12-24-2002	Pickett, et al.	_____
TN	CC	US- 6,532,277 B2	03-11-2003	Ulanskas, et al.	_____
TN	DD	US- 6,507,606 B2	01-14-2003	Shenoi, et al.	_____
TN	EE	US- 6,538,451 B1	03-25-2003	Galli, et al.	_____
TN	FF	US- 6,724,859 B1	04-20-2004	Galli	_____
TN	GG	US- 6,731,678 B1	05-04-2004	White, et al.	_____
TN	HH	US- 6,697,768 B2	02-24-2004	Jones, et al.	_____
TN	II	US- 6,549,568 B1	04-15-2003	Bingel	_____
TN	JJ	US- 6,625,255 B1	09-23-2003	Green, et al.	_____
TN	KK	US- 6,643,266 B1	11-04-2003	Pugaczewski	_____
TN	LL	US- 6,668,041 B2	12-23-2003	Kamali, et al.	_____
TN	MM	US- 6,782,082 B2	08-24-2004	Rahamim	_____
TN	NN	US- 6,728,238 B1	04-27-2004	Long, et al.	_____
TN	OO	US- 6,640,239 B1	10-28-2003	Gidwani	_____
TN	PP	US- 6,597,689 B1	07-22-2003	Chiu, et al.	_____
TN	QQ	US- 6,466,088 B1	10-15-2002	Rezvani, et al.	_____
TN	RR	US- 6,769,000 B1	07-27-2004	Akhtar, et al.	_____
TN	SS	US- 6,769,024 B1	07-27-2004	Natarajan, et al.	_____

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
TT						
UU						
VV						
WW						
XX						
YY						

Examiner  
Signature

Toan D. Nguyen

Date  
Considered

02/16/06

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/777,773
		Filing Date	February 12, 2004
		First Named Inventor	Jones, et al.
		Art Unit	2631
		Examiner Name	Unknown
Sheet 2 of 4		Attorney Docket Number 1033-MS1003	

<b>U. S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TN	AB	US- 6,765,864 B1	07-20-2004	Natarajan, et al.	_____
TN	AC	US- 6,751,662 B1	06-15-2004	Nararajan, et al.	_____
TN	AD	US- 6,735,601 B1	05-11-2004	Subrahmanyam	_____
TN	AE	US- 6,771,673 B1	08-03-2004	Baum, et al.	_____
TN	AF	US- 6,765,918 B1	07-20-2004	Dixon, et al.	_____
TN	AG	US- 6,763,025 B2	07-13-2004	Leatherbury, et al.	_____
TN	AH	US- 6,762,992 B1	07-13-2004	Lemieux	_____
TN	AI	US- 6,775,232 B1	08-10-2004	Ah Sue, et al.	_____
TN	AJ	US- 6,775,268 B1	08-10-2004	Wang, et al.	_____
TN	AK	US- 6,778,525 B1	08-17-2004	Baum, et al.	_____
TN	AL	US- 6,751,315 B1	06-15-2004	Liu, et al.	_____
TN	AM	US- 6,754,283 B1	06-22-2004	Li	_____
TN	AN	US- 6,751,218 B1	06-15-2004	Hagirahim, et al.	_____
TN	AO	US- 6,667,971 B1	12-23-2003	Modarressi, et al.	_____
TN	AP	US- 6,674,725 B2	01-06-2004	Nabkel, et al.	_____
TN	AQ	US- 6,674,749 B1	01-06-2004	Mattathil	_____
TN	AR	US- 6,680,940 B1	01-20-2004	Lewin, et al.	_____
TN	AS	US- 6,608,835 B2	08-19-2003	Geille, et al.	_____
TN	AT	US- 6,570,855 B1	05-27-2003	Kung, et al.	_____

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AU					T <sup>5</sup>
AV					
AW					
AX					
AY					
AZ					

Examiner Signature	Tuan D. Nguyen	Date Considered	02/16/06
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Sheet	3	of	4
		Examiner Name	Unknown
		Attorney Docket Number	1033-MS1003

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TN	BA	US- 6,775,273 B1	08-10-2004	Kung, et al.	_____
TN	BC	US- 6,775,267 B1	08-10-2004	Kung, et al.	_____
TN	BD	US- 5,751,338	05-12-1998	Ludwig, Jr.	_____
TN	BE	US- 5,974,139	10-26-1999	McNamara, et al.	_____
TN	BF	US- 5,987,061	11-16-1999	Chen	_____
TN	BG	US- 6,044,107	03-28-2000	Gatherer, et al.	_____
TN	BH	US- 6,055,268	04-25-2000	Timm, et al.	_____
TN	BI	US- 6,700,927 B1	03-02-2004	Esliger, et al.	_____
TN	BJ	US- 6,658,052 B2	12-02-2003	Krinsky, et al.	_____
TN	BK	US- 6,614,781 B1	09-02-2003	Elliott, et al.	_____
TN	BL	US- 6,467,092 B1	10-15-2002	Geile, et al.	_____
TN	BM	US- 6,317,495 B1	11-13-2001	Gaikwad, et al.	_____
TN	BN	US- 6,424,657 B1	07-23-2002	Voit, et al.	_____
TN	BO	US- 6,081,291	06-27-2000	Ludwig, Jr.	_____
TN	BP	US- 6,292,559 B1	09-18-2001	Gaikwad, et al.	_____
TN	BQ	US- 2004/0095921 A1	05-20-2004	Kerpez	_____
	BR	US-			
	BS	US-			
	BT	US-			

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	BU				_____
	BV				_____
	BW				_____
	BX				_____
	BY				_____
	BZ				_____

Examiner Signature	<i>Toan D. Nguyen</i>	Date Considered	02/16/06
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Sheet	4	of	4	Attorney Docket Number 1033-MS1003

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
TN	CA	INTERNATIONAL TELECOMMUNICATION UNION, "Series G:Transmission Systems and Media, Digital Systems and Networks. Digital Sections and Digital Line System-Access Networks. Asymmetric Digital Subscriber Line (ADSL) Transceivers- 2(ADSL2)," G.992.3, ITU-T, July 2002, pages 1-127.		—
	CB			—
	CD			—
	CE			—
	CF			—
	CG			—
	CH			—
	CI			—
	CJ			—
	CK			—

Examiner Signature	<i>Toan D. Nguyen</i>	Date Considered	02/16/06
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